

Title (en)

Hand triggered tissue sealant spray apparatus and system

Title (de)

Vorrichtung und System zur handgetriggerten Gewebesprühversiegelung

Title (fr)

Appareil et système de pulvérisation d'agent de scellement tissulaire déclenchés manuellement

Publication

EP 2514369 A1 20121024 (EN)

Application

EP 12177176 A 20060112

Priority

- EP 06718085 A 20060112
- US 64336805 P 20050112

Abstract (en)

A control system for use with an apparatus comprising an elongated body defining an interior bore for containing sealant and having proximal and distal ends, a piston movably positioned in the bore, a distal outlet communicating with the bore, a first gas passageway cooperatively associated with the distal outlet and configured to direct gas to create a spray discharge of sealant, and an actuating member cooperatively associated with the piston is described. The system comprises: a control unit (4) comprising a supply valve (V1) and a pressure switch (PS2) for opening and closing the supply valve; and a timing delay control member (PFC1) that is operatively connected to the control unit via the pressure switch (PS2). The control unit is operable upon receipt of a control signal from the apparatus to open the supply valve and activate a flow of gas to the first gas passageway essentially simultaneously with a force being applied to the actuating member to eject sealant from the distal outlet so as to create a spray discharge of sealant. The timing delay control member prevents the pressure switch from closing the supply valve for a predetermined period of time after the applied force is removed from the actuating member to provide a discharge of gas after the user has stopped the ejection of sealant.

IPC 8 full level

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CPC (source: BR EP KR US)

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Citation (applicant)

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